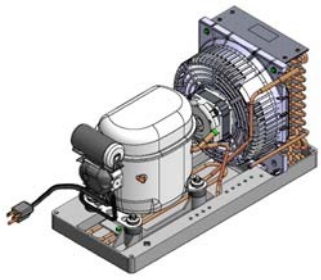
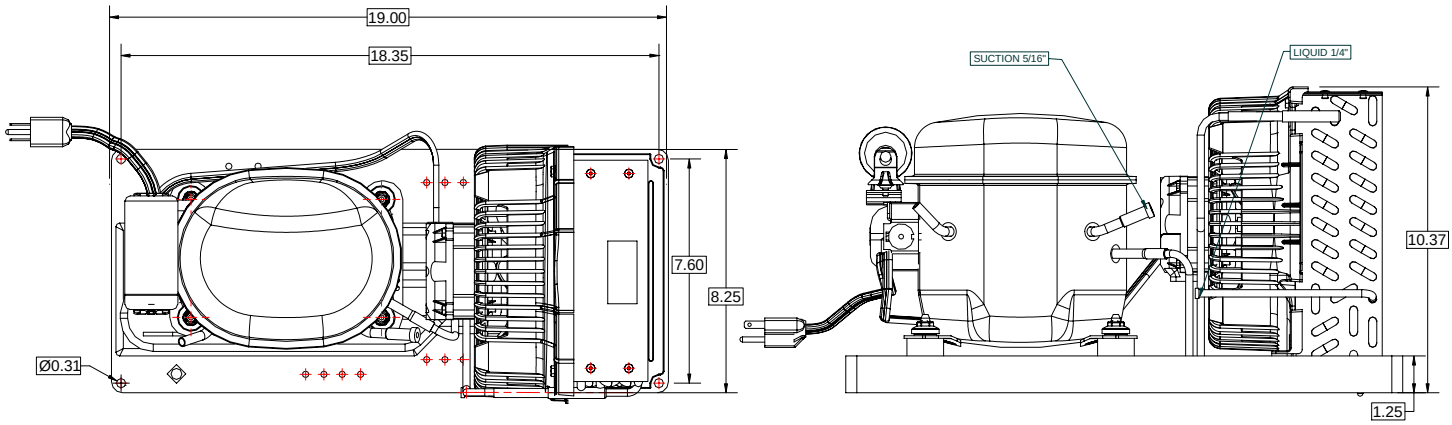
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AEA1410YXAGL , -K**
BOM	**33X402-2, -3**
Air Cooled	**1/4 HP**
Application	**Low Temp**
Refrigerant	**R134a**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (mm)
AEA1410YXAGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	242	16	39.6 (17.96)
AEA1410YXAGK									

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temeratures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-30	*4.9"	760	259	93	675	269	101	587	278	108	497	288	116
-25	*3.4"	920	270	96	830	279	102	728	288	109	614	297	117
-20	*1.8"	1064	284	97	973	292	103	862	301	111	732	309	119
-15	0.0	1228	299	98	1106	307	105	980	315	113	850	323	121
-10	**1.9**	**1325**	**312**	**102**	**1222**	**322**	**108**	**1104**	**330**	**114**	**971**	**341**	**123**
-5	4.1	1415	330	104	1327	340	110	1219	351	118	1093	361	125
0	6.5	1499	348	106	1419	361	113	1325	373	120	1216	385	127
5	9.1	1574	370	110	1518	384	116	1439	396	123	1339	408	129
10	11.9	1569	398	115	1563	414	120	1529	429	126	1467	446	132

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

* Inches of mercury below one atmosphere

Parts/Specifications

Unit BOM	**33X402-2**	Condenser	50733-G04
Unit MODEL	**AEA1410YXAGL**	Shroud	
		Fan Guard	116-003P
Refrigeration RANGE	-30°F to 10°F		
Design Pressure Low	150	Replacement Fan Motor	6W115
Design Pressure High	300	F. M., blade, guard assy	YFBG-106
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	4.41	Electrical Diagram	DEAE-1
Max. Fuse Size	15	Unit Drawing	DGBU-042
Compressor MODEL	AEA1410YXA	**Unit BOM**	**33X402-3**
Compressor BOM	AE815AR-738-A2	**Unit MODEL**	**AEA1410YXAGK**
Compressor LRA	28	Power Cord	85106-10
Compressor RLA	3.2	Unit Drawing	DGBU-042
OverLoad	8300MRPH37		
Relay	82403		
Run Capacitor			
Run Capacitor Rating			
Start Capacitor			
Start Capacitor Rating			
Fan Motor	NUT6B06ZUN301		
Fan Motor RLA	0.41		
Fan Blade	4VEA009